

WHAT IS CLAIMED IS:

1. An air bag system comprising:

an air bag housed in a folded state under an upper
5 surface of an instrument panel and inflated by an inflator
when a vehicle is crashed,

wherein the air bag has a pocket disposed at a lower
surface of the air bag when the air bag is inflated.

10 2. The air bag system according to claim 1, wherein
the pocket is located in a position corresponding to a
top portion of a child safety seat when the air bag is
inflated.

15 3. The air bag system according to claim 1, wherein
the pocket is located in a position corresponding to a
top portion of a child safety seat mounted on an occupant
seat while facing rearward of the vehicle when the air
bag is inflated.

20 4. The air bag system according to claim 1, wherein
the air bag further comprises an exhaust hole located
in the vicinity of the pocket for exhausting an air.

25 5. The air bag system according to claim 1, wherein

the pocket is housed inside of the air bag when the air bag is in folded state.

6. The air bag system according to claim 1, wherein
5 the pocket is recessed from the lower surface of the air bag, the pocket comprises:

a pocket bag portion having a predetermined depth when the air bag is inflated;

a pocket opening portion accommodatable a top of
10 a child safety seat has a predetermined opening area; and

a strap connected an inside of an upper surface of the air bag with a bottom of the pocket bag portion.

7. The air bag system according to claim 6, wherein
15 the depth of the pocket bag portion is between 5cm and 30cm.

8. The air bag system according to claim 6, wherein
20 the opening area of the pocket opening portion is in the range from 450 to 900cm².

9. The air bag system according to claim 6, wherein
the strap is sewed to the bottom of the pocket bag portion
25 at one end thereof and to the inside of the upper surface

of the air bag at other end thereof.

10. The air bag system according to claim 6, wherein the pocket opening portion is formed in a slit shape.

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11. The air bag system according to claim 6, wherein the pocket opening portion is formed in a circular shape.

12. The air bag system according to claim 6, wherein the pocket opening portion is formed in a rectangular shape.

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13. The air bag system according to claim 6, wherein the pocket opening portion is formed in an oval shape.

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14. The air bag system according to claim 1, wherein the pocket is formed in a conical shape.

15. The air bag system according to claim 1, wherein the pocket is formed in a semi-oval shape.

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16. The air bag system according to claim 1, wherein the pocket is formed in a cylindrical shape with a circular bottom opposing to the pocket opening portion.

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17. The air bag system according to claim 1, wherein the pocket is convexed from the lower surface of the air bag.